MARKH, A.T.; FEL'DMAN, A.L.; KAGAH, I.S.; LYASHCH, D.YM.

Improving the quality of preserved cauliflower. Kons. i ov. prom. 14 no.9:15-17 S 159. (MIRA 12:12)

1. Odesskiy tekhnologicheskiy institut pishchevoy i kholodil'noy promyshlennosti (for Markh, Fel'dman). 2. Ukrainskiy nauchno-issledovatel'skiy institut konservnoy promyshlennosti (for Kagan, Lyashch).

(Cauliflower--Preservation)

FAN-YUNG, A.F. [Fang-Yung, A.F.]; KAGAN, I.S.; GRISHINA, I.P.; ZYABKO, L.P.

Removal of gas from semi-processed grape Juice. Kons. i ov. pron. 14 no.11:30-33 N '59. (MIRA 13:2)

1. Ukrainskiy nauchno-issledovatel skiy institut konservnoy promyshlennosti.

(Grape juice)

Vse of new equipment in the production of grape juice.

Kons.i ov.prom. 15 no.4:14-15 Ap 160. (MIRA 13:6)

1. Ukrainskiy nauchno-issledovatel skiy institut konservnoy promyshlennosti.
(Grape juice)

KAGAN, I.S.

Improving the quality and assortment of canned foods, and specializing their production. Kons.i ov.pros. 15 no.8:4-5 Ag *60. (MIRA 13:8)

1. Ukrainskiy nauchno-issledovateliskiy institut konservnoy promyshlennosti.

(Food, Canned)

MEL'NICHENKO, Ye.L.; KAGAN, I.S.; GOL'DENBERG, M.Ya.; KAMNEVA, Z.P.; SIZOVA, A.G.

Flow diagram of the manufacture of fruit juices. Kons.i ov.prom. 15 no.11:14-15 N 160. (MIRA 13:10)

1. Ukrainskiy nauchno-issledovateliskiy institut konservnoy promyshlennosti.

(Fruit juices)

KAGAN, I.S.; FAN-YUNG, A.F. More about the deaeration of grape juice. Kons. i ov.prom. 17 (MIRA 15:3)

no.4:13-14 Ap '62.

1. Odesskiy tekhnologicheskiy institut pishchevoy i kholodil'noy promyshlennosti. (Grape juice)

.. KAGAN, I.S.

"Sterilization of canned food" ty S.M.IAstrebov, A.M.Massover.
Reviewed by I.S.Kagan. Kons. i ov.prom. 17 no.4:35-36 Ap '62.

(MIRA 15:3)

(Canning and preserving) (IAstrebov, S.M.) (Massover, A.M.)

KAGAN, I.S.; MARCHUK, L.I.

Canning unblanched peppers. Kons.i ov.prom. 17 no.6:17-19
Je 162. (MIRA 15:5)

1. Ukrainskiy nauchno-issledovateliskiy institut konservnoy promyshlennosti.

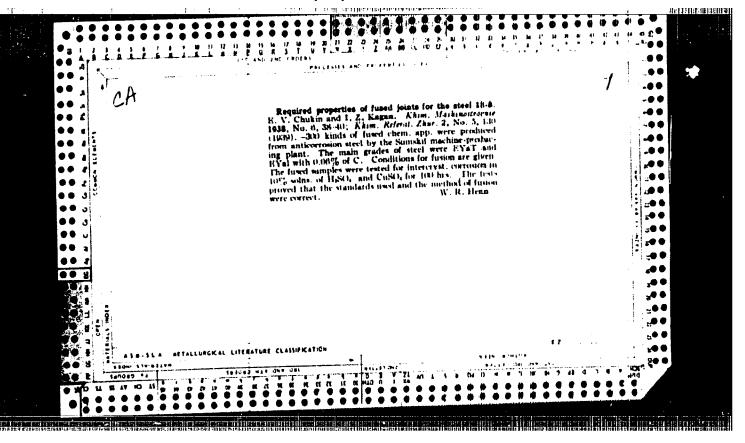
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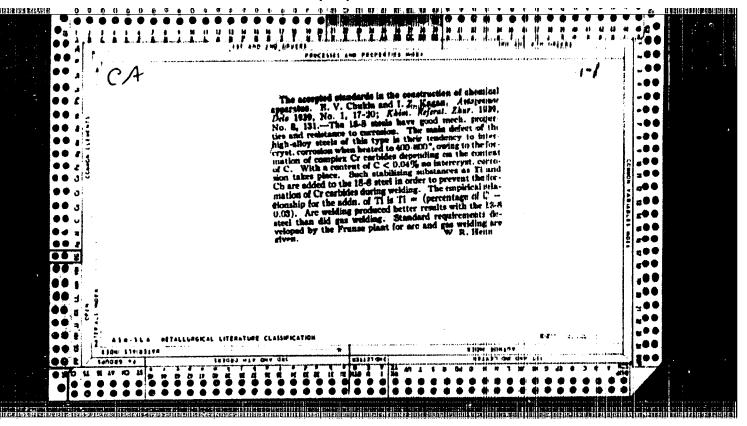
GUSAROVA, Nadezhda Aleksandrovna; KAGAN, Isaak Samoylovich; KAMNEVA, Zoya Petrovna; MARCHUK, Lyubov' Ivaqovna; MARCHU, Zoya Aleksandrovna; SIZOVA, Aleksandra Grigor'yevna; SOLOV'YEVA, Yevgeniya Ivanovna; STEPANOVA, E.A., inzh., red.izd-va; STARODUB, T.A., tekhn. red.

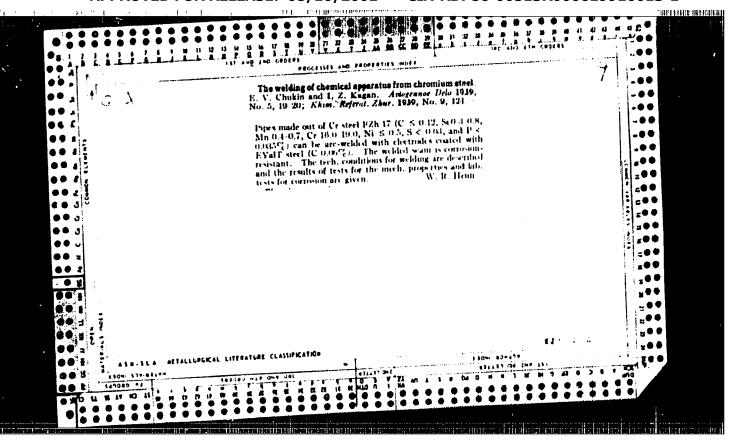
[Home canning] Domashnee konservirovanie. 4., ispr. i dop. izd. Kiev, Gostekhizdat USSR, 1963. 207 p. (MIRA 16:7)

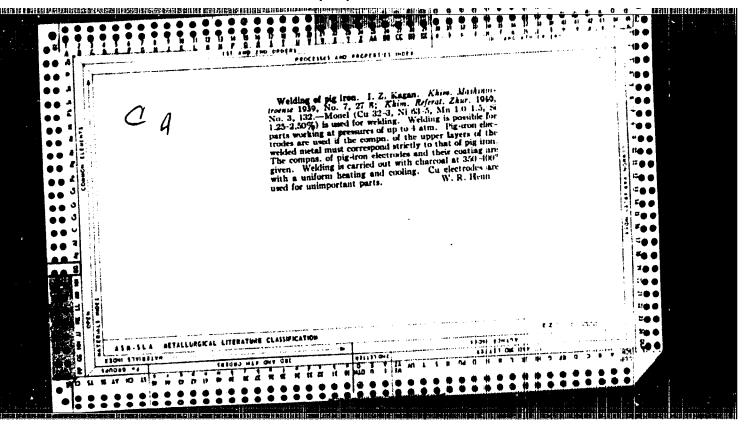
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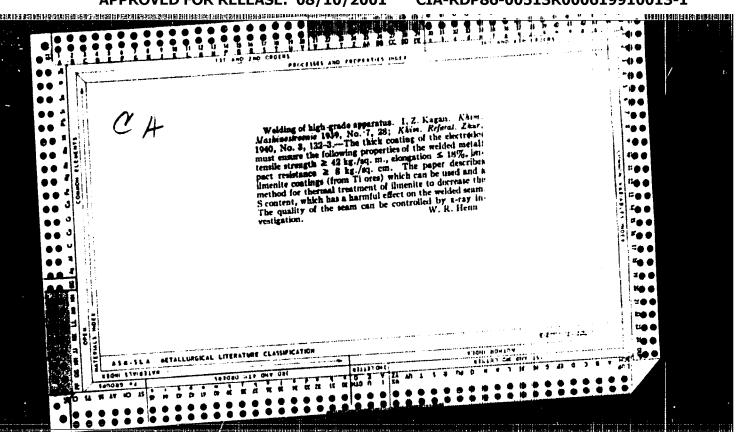
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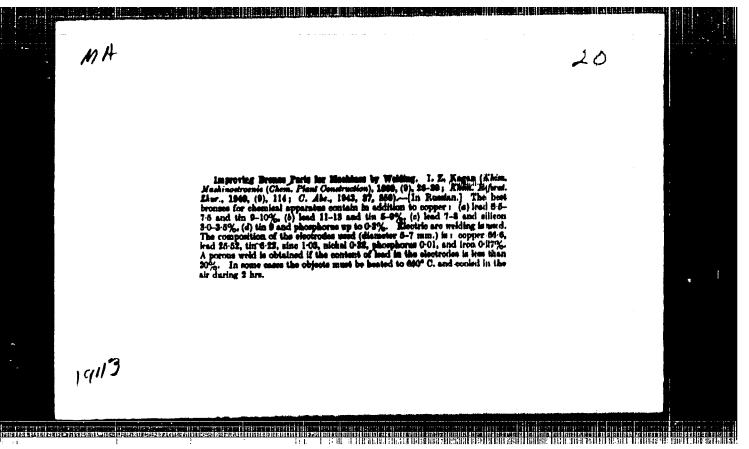


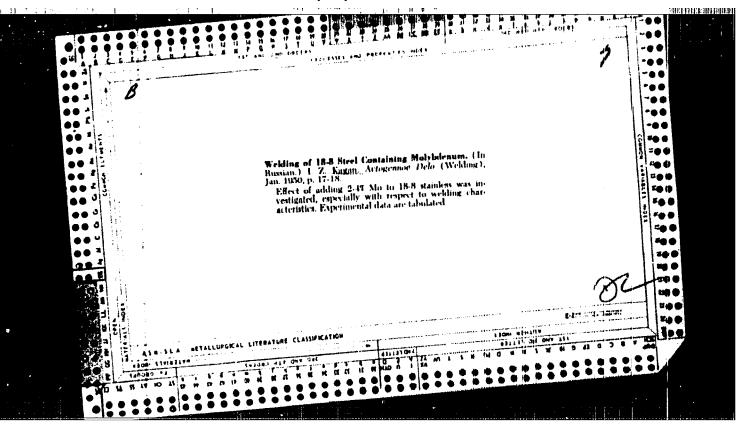












RYBASENKO, I.D.; YAKUBOVSKIY, L.A.; KAGAN, I.Z.; NEVSKIY, B.H., inzhener, redaktor; MEDOVAR, B.I., kandidat tekhnicheskikh nauk, retsensent; BORT, M.M., inzhener, retsensent; PRITSKER, G.S., tekhredaktor.

[Technology of meking chemical apparatus of stainless steel] Tekhnoë logiia izgotovleniia khimicheskoi apparatury is nerzhaveiushchei stali. Kiev, Goe.nauchno-tekhn.isd-vo mashinostroit. lit-ry, 1951, 145 p.

[Microfilm] (Chemical apparatus) (Steel, Stainless)

(Chemical apparatus) (Steel, Stainless)

KAGAN, I. Z.

USSR/Engineering - Welding, Methods

1951

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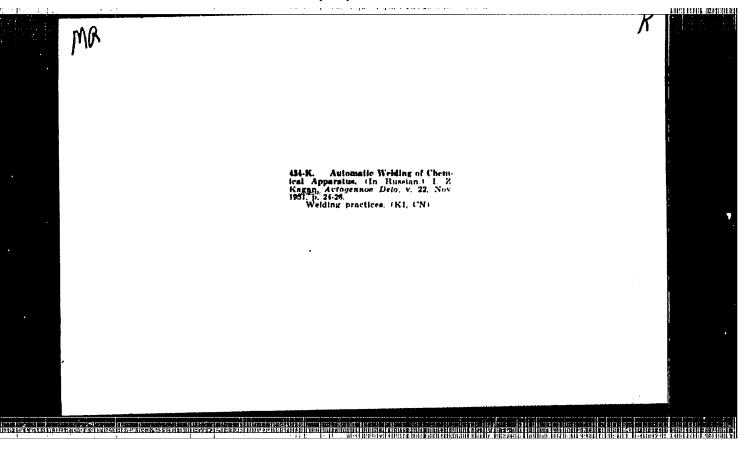
"Automatic Welding of Stainless Steel Using Low-Carbon Electrode Wire Without Columbium," I. Z. Kagan, Engr

- "Avtomat Svarka" No 1 (16), pp 55-60

Describes technology of welding stainless steels of 18-8 type under flux AN-20, developed by Inst of Elec Welding imeni Ye. O. Paton, using ordinary low-carbon wire without addn of columbium which promoted formation of hot cracks.

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Electric Welding		
Automatic welding of stainless steel	pins. Avtom. svar. 4 No. 6, (2	1) 1951.
Monthly List of Bussian Accessions, L	ibrary of Congress, June 1952.	UMCLASSIFTED.



AGAN, I. Z.	. •		
	· • • • • • • • • • • • • • • • • • • •	USSR/Metals - Steel, Welding Apr 51.	
		"Is the Presence of Columbium Necessary in Elec- trode Wire?" I. Z. Kagan, Engr, Plant imeni Franze	
		"Avtogen Delo" No 4, pp 26, 27	
	•	Expts revealed that addn of columbium to electrode wire is not justified in case of welding stainless steel 18-8 with 0.09-12%C. Its presence is even harmful since metal of welded joint loses its plastic properties and develops tendency to hot cracks. Low-carbon stainless wire gives good results in this case.	
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USSR/Engineering - Welding, Methods Oct 51 "Welding of Equipment Made of Mickel," I. Z. Kagan, Engr "Avtogen Delo" No 10, pp 24, 25 Piscusses briefly effect of admixts, such as S, Mg, Mn, Fe, Si, C, Co and Pb, on weldability of Mi in shape of plates and describes procedure of welding by oxyncetylene process accepted at Soviet plants since 1938. Flux, without which welding of nickel is impossible, consists of boric acid, being, it is impossible, consists of boric acid, ferrowanedium and ilmenite. Chem compn of M-1 by GOST 849-41 is given as follows: Mi + Co99-5%, GOST 849-41 is given as follows: Mi + Co99-5%, S0.02% max, and Sitrace. Tensile strength 38-44 kg/sq mm. elongation in annealed state 32-46%, BHN = 80-100.		<u> </u>			A STATE OF THE RESIDENCE OF	राज्यः (प्रद्राप्तस्थः	essa da Burra Centr Hendinfer
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KADAN, I. Z.	!,
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Welding

Section of the Scientific Institue of the Society of molding Engineers and Technicians at the Frunze plant. Aviot. delo 23, no. 5, 1952.

Monthly List of Russian Accessons, Library of Congress, August 1952. Unclassified.

- 1. EADAE, 1. Z.
- 2. USSR (600)
- 4. Oxyacetylene Wolding and Cutting
- 7. M. W. Parkhomenko, the Innovator-gas welder. Avtog. delo 23, No. 11, 1992

9. Monthly List of Russian Accessions, Library of Congress, Fabruary 1953, Unclassified.

- 1. KAGAN, I. 7.
- 2. USSR (600)
- 4. Bondarenko, P. L.
- 7. Experience of P. L. Bondarenko, the Stakhanovite gas welder. Avtog. delo 23 No. 11, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

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SOV/137-59-3-5958

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 3, p 144 (USSR)

Kagan, I. Z. AUTHOR:

Automatization of Gas-cutting Operations TITLE:

(Avtomatizatsiya protsessov gazovoy rezki)

PERIODICAL: Prom. ekon. byul. Penzensk. sovnarkhoza, 1958, Nr 1, pp 30-32

ABSTRACT: A report on the performance of machines for O2 cutting at the "Penzkhimmash" plant. The employment of hinge-joint machines of the ASSh-2 type in cutting of spokes (65 mm thick) and sectional screens (5 mm thick) made it possible to eliminate operations of planing and milling of these components and resulted in a 40-80% reduction in the amount of labor required for their manufacture. At cutting speeds of 100-650 mm/min a cutting accuracy up to 0.3 mm may be achieved. In executing straight cuts with the aid of a compass, as well as in manual cutting along template lines, portable equipment of the types PL-1 and PP-1 is employed which makes it

possible to perform vertical and inclined cuts at an angle of 400 (chamfering of edges prior to welding); cuts thus obtained require no subsequent labor-consuming planing on edge-planing machines.

Card 1/2

CIA-RDP86-00513R000619910013-1"

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The state of the s SOV/137-59-3-5958 Automatization of Gas-cutting Operations Approximately 120,000 rubles are saved annually as a result of the mechanization of gas-cutting operations at the plant. G.K. Card 2/2

CIA-RDP86-00513R000619910013-1" APPROVED FOR RELEASE: 08/10/2001

135-58-8-13/20 Kagan, I. Z., Engineer AUTHOR: The Air-Arc Cutting of Stainless Steel (Vozdushno-dugo-TITLE: vaya rezka nerzhaveyushchey stali) Svarochnoye proizvodstvo, 1958, Nr 8, p 41 (USSR) PERIODICAL: The article describes a new method of air-arc cutting stainless acid-proof steel (17 to 20% chromium, 8 to 10% ABSTRACT: nickel and 2 to 3% molybdenum content), as used at the Penzkhimmash plant for the production of chemical industry equipment. It was developed by the plant together with VNIIAvtogen in 1957. Conventional methods of gascutting cannot be applied to such steel because of the formation of heat resisting chrome oxides. The described method consists fundamentally in relting the metal by electric arc and simultaneously blowing off the liquid metal Card 1/2

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The Air-Arc Cutting of Stainless Steel

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by an air jet. Details of the special cutting "RVD-1-57" torch design and the cutting operation are given. There

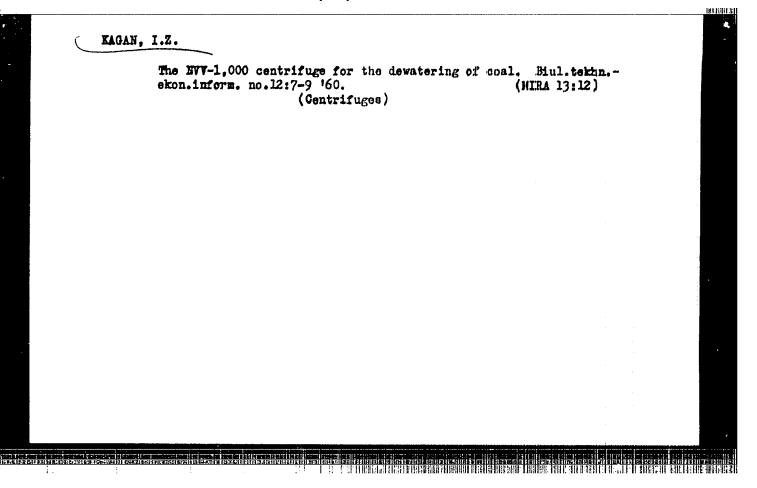
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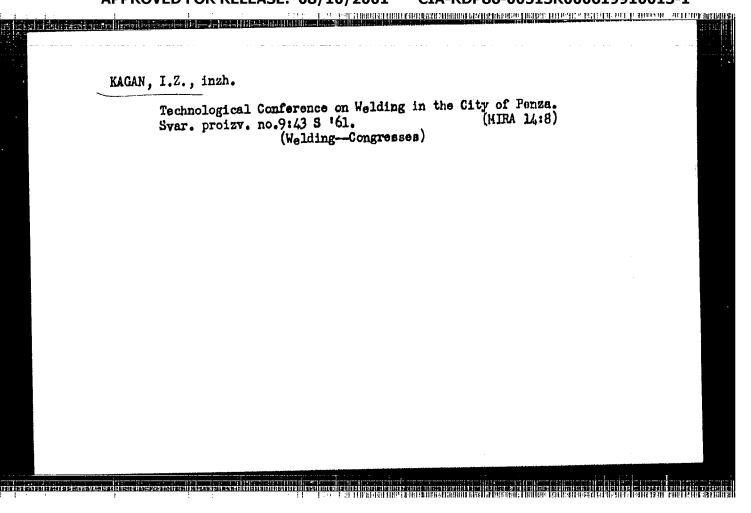
ASSOCIATION: Zavod Penzkhimmash (The Penzkhimmash Plant)

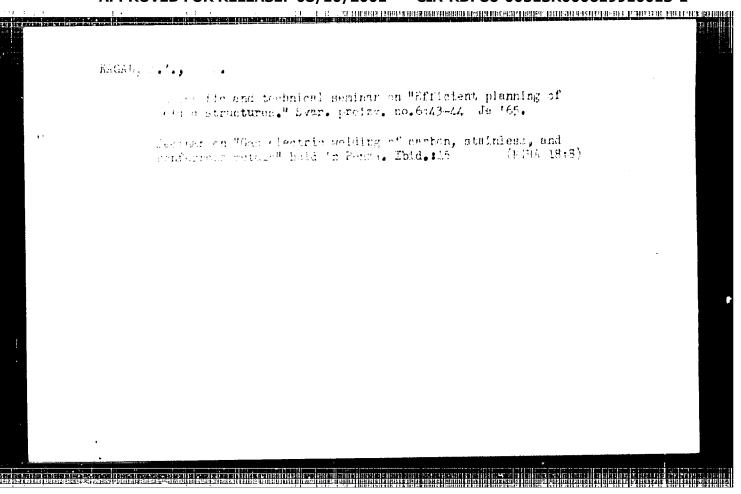
1. Stainless steel--Cutting methods

Card 2/2

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TITLE: Welding of titanium	A. A		
1 90 56 19 90			
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TOPIC TAGS: titanium, titan	ium alloy, titanium welc	ling, alloy welding,	submerged
arc welding, electroslag wel	ding/VI1 titanium, OT4	itanium alloy	
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ABSTRACT: The technology to grade titanium and OT4 [U.S.	RS110B] titanium alloy	(the basic building t	laterials for
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equipment. An AN-T1 flux is	used for welding titan	ium 8-10 mm thick;	a higher
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ACCESSION NR: AP5021224

melting and less fluid AN-T3 flux is used for heavier sections. A universal AN-T7 flux, the substitute for all previously used fluxes, was developed in 1961. Vil titanium electrode wire was used in welding both VT1 titanium and OT4 titanium alloy The welding is done with direct current and standard welding equipment. Prior to welding, rolled, extruded, or forged components are shot-blasted, pickled for 4—8 min in a solution (350 cm³ HCl, 650 cm³ water, and 50g sodium fluoride) at 50—60C, and degreased. For sections up to 14-16 mm thick, a square butt joint is used; for heavier sections, a V-joint with a 90 deg angle. Parts 35 mm thick are joined in several passes under an AN-T7 flux. For short welde, copper or steel back-up bars provide sufficient protection. However, argon backing must be used in welding long joints. Heavy rings, flanges, and similar parts are welded by the electroslag method. At the "Progress" plant (Berdichev, USSR), flanges 2260 mm in diameter consisting of seven forged VTL/segments (135 x 135 mm), and rings 800 mm in diameter from 60 x 120 mm VT1 forgings I have been successfully electroslag welded in a copper, water-cooled mold with an AN-T2 oxygen-frue flux in an argan atmosphere. Titamium electrode wire is annealed in a vacuum of 1044 mm Hg at 800-8500 to reduce the hydrogen content below 0.004% and thus to prevent cold cracking of the weld metal. The oxygen content in the wire should not exceed 0.10-0.12%. Dense, sound welds are usually obtained with a strength and corrosion resistance roughly

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 Ways for eliminating seasonal work in the Adyge Canning Combine. Ways for eliminating seasonal work in the Adyge Canning Combine. (MIRA 16:8)
Kons. 1 ov. prom. 18 no.8:34-35 kg
 Adygeyskiy konservnyy kombinat. (Adyge Autonomous Province—Canning industry—Management)

VAYNSHTEYN, B.P.; KRUGLIKOV, V.Ya.; RAPOPORT, I.B.; VASIL'YEVA, Z.A.;

KAGAN, L.Kh.; PLOKHINSKAYA, Ye.A.; VOLYNSKIY, A.V.; MJZOVSKIY,

V.V.; KLEVTSOVA, V.P.; Prinimali uchastiye: MICHAN, A.I.;

KONOVAL'CHIKOV, L.D.; AYNSHTEYN, V.G.; KVASHA, V.B.; CHELYANOVA,

D.P.; ZAYTSEVA, A.F.; ANDREYEVA, T.A.

New way to synthesize oxygen compounds from carbon monoxide and hydrogen over iron-copper catalysts. Trudy VNII NP no. 9:177-196 '63. (MIRA 17:6)

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VAYNSHTEYN, B.P.; KAGAN, L.Kh.; RAPOPORT, I.B.; KRUGLKKOV, V.Ya.; KAPKIN, V.D.

Hydrogenation of some oxygen-containing compounds over precipitated iron-copper catalysts. Neftekhimia 2 no.1:100-105 Ja-F 162. (MIRA 15:5)

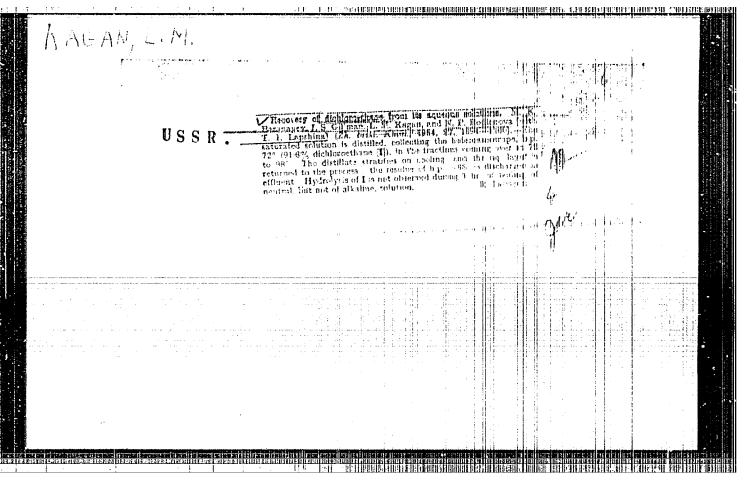
l. Vsesoyuznyy nauchno-issledovatel skiy institut po pererabotke nefti i gaza i polucheniyu iskusstvennogo zhidkogo topliva.

(Hydrogenation) (Gatalysts)

KAGAN, L.Kh.; KLYACHKO-GURVICH, A.L.; RAPOPORT, I.B.; RUBINSHIEYN, A.M.

Effect of the conditions of the reduction of iron-copper catalysts on their physicochemical properties. Khim. i tekh. topl. i masel 10 no.3:14-16 Mr *65. (MIRA 18:11)

1. Vsesoyuznyy nauchno-issledovateliskiy institut po pererabotke nefti i gazov i polucheniyu iskusstvennogo zhidkogo tepliva.



MIKHAYLOVSKAYA, Ye.I.; KAGAH, L.M.

Chemical composition and nutritive value of some food concentrates. Kons.i ev. prom. 15 no.6:18-19 Je '60. (MIRA 13:9)

1. TSentral'nyy nauchno-issledovatel'skiy institut konservnoy i ovoshchesushil'noy promyshlennosti.
(Food, Consentrated)

KHAKHINA, L.P.; USKOVA, L.S.; KAGAN, L.M.

Objective method for evaluating the coloring of potato chips.

Kons. i ov.prom. 18 no.9:37-38 S '63. (MIRA 16:9)

1. TSentral'nyy nauchno-issledovatel'skiy institut konservnoy i ovoshchesushil'noy promyshlennosti.

(Potato chips—Testing)

BESKIN N.M. (Moskva); KOTOK, A.A. (Grodno); STERLETSKIY, B.Y. (Grodno); ELISH, G.M. (Baku); KAGAN, L.S. (Baku); KUMLEY, Ya.I. (Ufa).

"Geometry textbook" by N.N. Hikitin, A.I. Fetisov. Reviewed by N.M. Beskin and others. Mat. v shkole no.4:57-69 S-O '57.

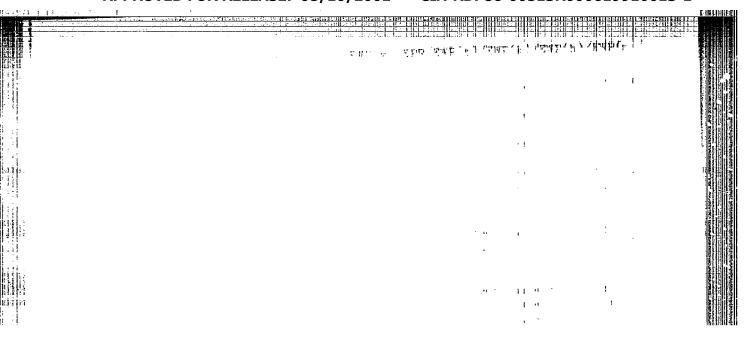
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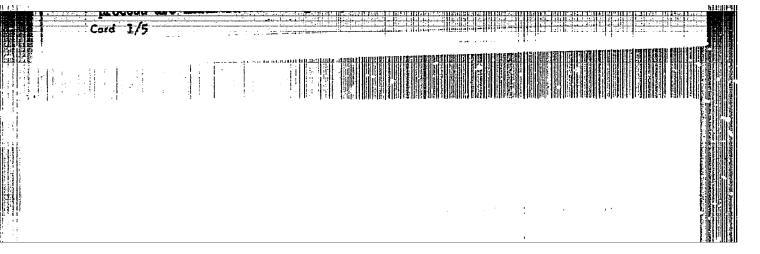
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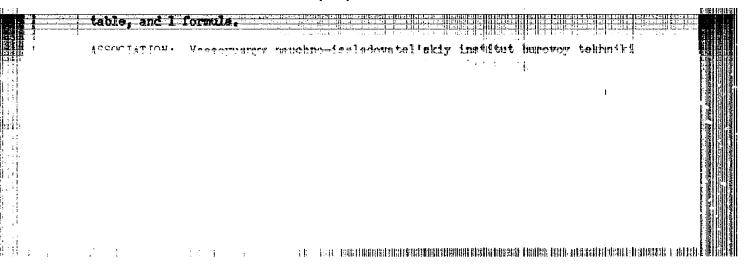
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GOLOVINOV, M.F.; AYUPOV, R.N.; KAGAN, L.S.; LESHKEVICH, G.G.; KURBATOV, V.I.; KALUGIN, A.A.

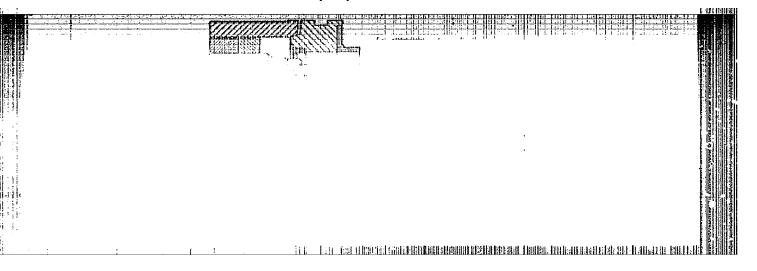
Extrusion of pipe of varying cross sections. TSvet. met. 36 no.8:72-75 Ag '63. (MIRA 16:9) (Extrusion (Metals)) (Pipe, Aluminum)

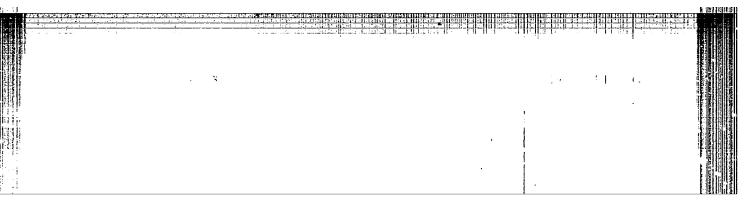


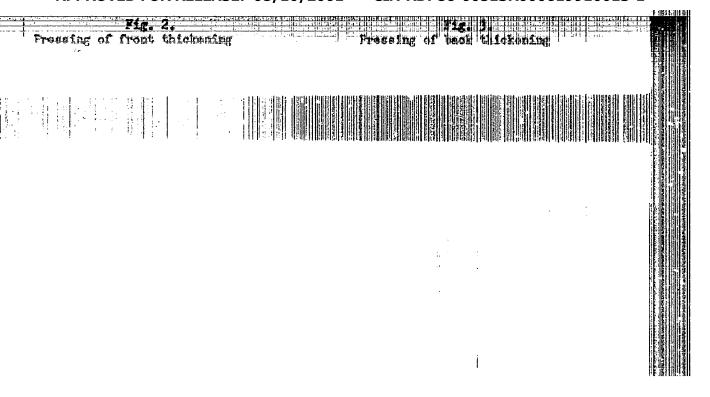




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IODAS, V.O.; KAGAN, U.V.; LINDER, V.B.; MARUZHNYY, B.V.

Oscilloscopic attachment for the electrocardiograph. Med. prom.
14 no. 10:48-49 0 '60.

1. Mediko-instrumental'nyy zavod "Krasnogvardeyets".

(OSCILLOGRAPH) (ELECTROCARDIOGRAPH)

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gradult and the second of the second	I. Palekha's crew. Stroitel' no.4:12 Ap '58.	(MIRA	11:5)
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KAGAN, M., doktor tekhn.mauk; PEREL'HAN, inzh.

Pressure of grain on granary walls. Muk-elev.prom. 25 no.1:17-20
Ja '59.

1. Moskovskiy inzhenerno-stroitel'my institut imeni V.V.Kuybysheva (for Kagan). 2. Moskovskiy inzhenerno-ekonomicheskiy institut imeni S. Ordzhonikidze (for Perel'man).

(Grain-Storage)

GUKAYLO, Mikhail Yakovlevich; MOZES, Ye.N., inzh., retsenzent; KAGAN, M.A., inzh., red.; SOROKA, M.S., red.

[Basic principles in designing optical control and adjustment instruments] Osnovnye printsipy konstruirovaniia opticheskikh kontrol'no-justirovochnykh priborov. Moskva, Gos.nauchno-tekhn. isd-vo mashinostroit.lit-ry, 1959. 124 p. (MIRA 12:7) (Optical instruments)

Category: USSR / Physical Chemistry - Kinetics. Combustion.

Explosives. Topochemistry. Catalysis.

B-9

Abs Jour: Referat Zhur-Khimiya, No 9, 1957, 30047

Author : I. Korniyenko V. P., Petrenko V. V.; II. Korniyenko V. P., Kagan

M. B., Spendiarov N. N.; III, Korniyenko V. P., Selikhova M. N.,

Remmer N. S.

Inst : Khar'kov University

Title : I. Thermal Decomposition of Nickel Oxalate. II. Kinetics of Thermal

Decomposition of Manganese Oxalate. III. Thermal Decomposition of

Cobalt Oxalate.

Orig Pub: Uch. zap. Khar'kovsk. un-ta, 1956, 71, 77-87; 89-94; 95-102.

Abstract: I. A volumetric study of the kinetics of decomposition of dihydrate

of nickel oxalate (I) at $343-369^{\circ}$. It is shown that the equation of Yerofeyev (1) is applicable to this process. The exponent n appearing in this equation is equal to 1 at low temperatures, increasing with temperature and reaching 1.66 at 369° . With rise in temperature the velocity maximum is shifted to 50% decomposition. Energy of acti-

Card : 1/3 -20-

Category: USSR / Physical Chemistry - Kinetics. Combustion.

Explosives. Topochemistry. Catalysis.

B-9

Abs Jour: Referat Zhur-Khimiya, No 9, 1957, 30047

vation (E), calculated from temperature dependence of velocity constant, is 42.3 kcal/mole; from temperature dependence of the duration of the reaction, is derived the value E # 45.3 kcal/mole. Decomposition of I occurs in stages: 1) NiC 0 = NiO + CO + CO; 2) NiO + CO - Ni + CO . By approximate thermodynamic calculations it is shown that the decomposition of I with formation of metal oxide and acid anhydride is more advantageous, from energy standpoint, than the decomposition to metal and radical. By means of the rule of Luginin the heat of formation value of I has been estimated and was found to be of 206 kcal.

II. A study was made, between 369 and 420°, of the thermal decomposition of the dihydrate of manganese oxalate (II). Decomposition of II takes place according to equation (1), in which the value of exponent n varies from 1.07 to 1.42, depending on temperature and percentage of decomposition. Energy of activation, E = 41 kcal/mole,

Cerd : 2/3

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5(4)

\$07/76-33-9-8/37

AUTHORS:

Paletnik, L. S., Vinogorov, G. R., Kagan, M. B.,

Kuropyatnik, V. E.

TITLE:

Investigation of Heterogeneous Multicomponent Systems With the

Aid of the Phase Mass Measuring Method. I

PERIODICAL:

Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 9, pp 1939-1944

(USSR)

ABSTRACT:

The equilibrium in the liquid heterogeneous multi-component systems was investigated and the corresponding state diagrams were plotted. A new method was worked out resting on the determination of the mass of the various components and the phase masses in equilibrium. Several publications are cited in the introduction concerning the investigation of liquid multi-component systems, and the following authors are mentioned among others: V. V. Udovenko, L. G. Fatulina, D. P. Belotskiy, M. L. Krupatkin. Several investigations were performed to fix the proper method of phase mass determination and the fellowing mass determination

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and the following was chosen: In order to asparate the mixture a container with acute base is used (Fig 1) in which (down to the base point) a special pipette is dipped with one end of the

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Investigation of Heterogeneous Multicomponent Systems With the Aid of the Phase Mass Measuring Method. I

capillary tube so that phase separation is possible down to a small drop. The weight was determined with the aid of a precision balance (with damper). The fluid was sucked off with a glass syringe. The weight of the sucked off liquid layer is determined by weighing the fluid remaining in the container and by the difference from the Initial weight. In order to determine the position of the colubility curve (binodal curve) of a ternary system the method of isothermic titration of a two-component mixture by a third component was applied. The position of the conodes was graphically determined. The applicability of the described method was investigated in the system and line-parbon vetrachloride-n-heptane for simultaneous bromometric determination of aniline in its various phases (Table 1). As shown by the method the phase composition may be determined up to an accuracy of 0.2%. Further the systems water-methanol-dichlorethane, water-isopropanol-dichlorethane were investigated (Ref 21) (Tables 2, 5) as well as the system aniline-chloroform-n-heptane, that separates into two layers and that was not hitherto investigated, were investigated at 18±0.50. It was observed that oblicroform is equally distri-

Card 2/3

SO7/76-33-9-8/37 Investigation of Heterogeneous Multicomponent Systems With the Aid of the Phase Mass Measuring Method. I

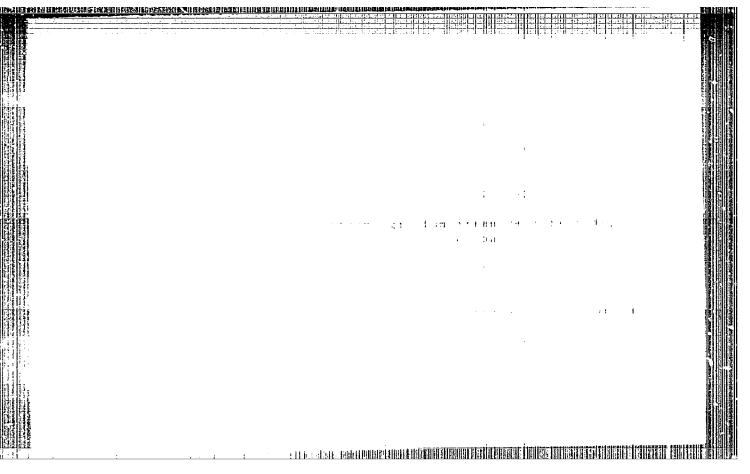
buted in both layers. The critical solution contains 36.4% aniline, 29.8% chloroform and 33.8% n-heptane. There are 5 figures, 5 tables, and 28 references, 6 of which are Soviet.

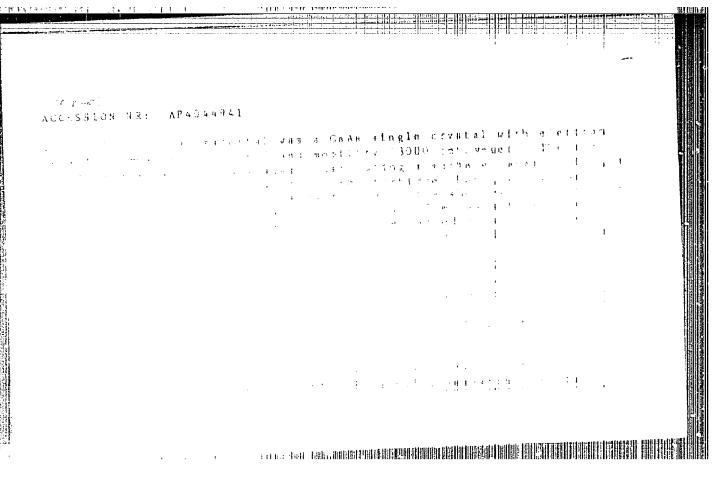
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February 19, 1956

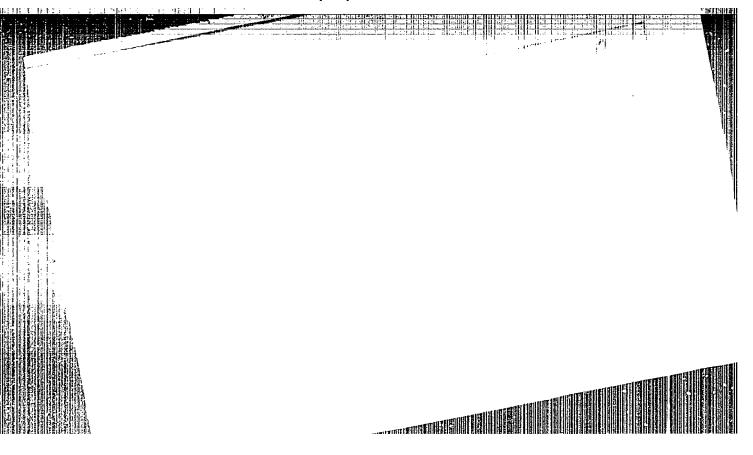
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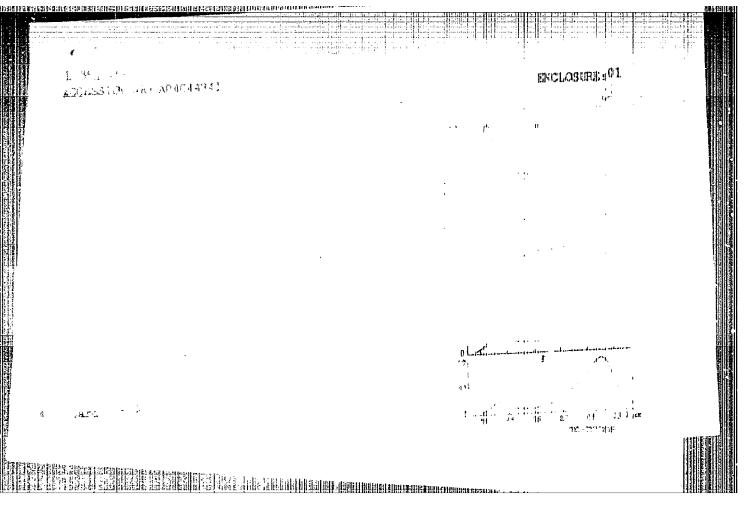
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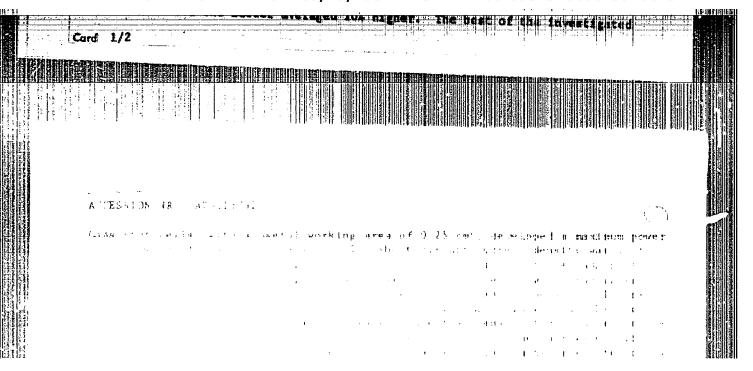


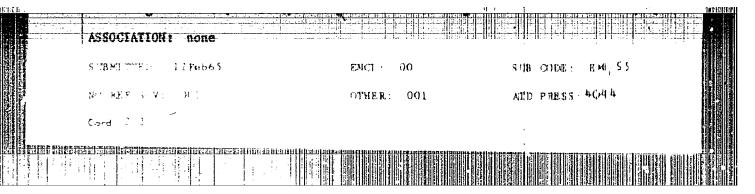
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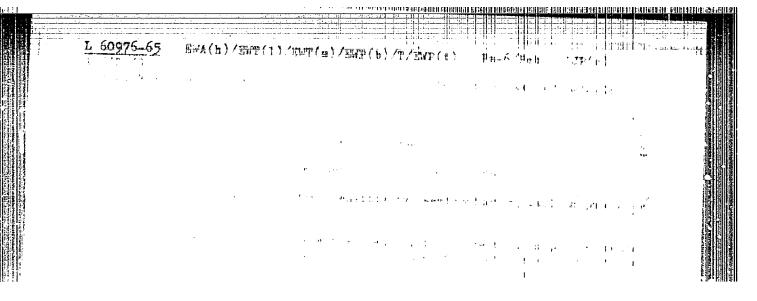


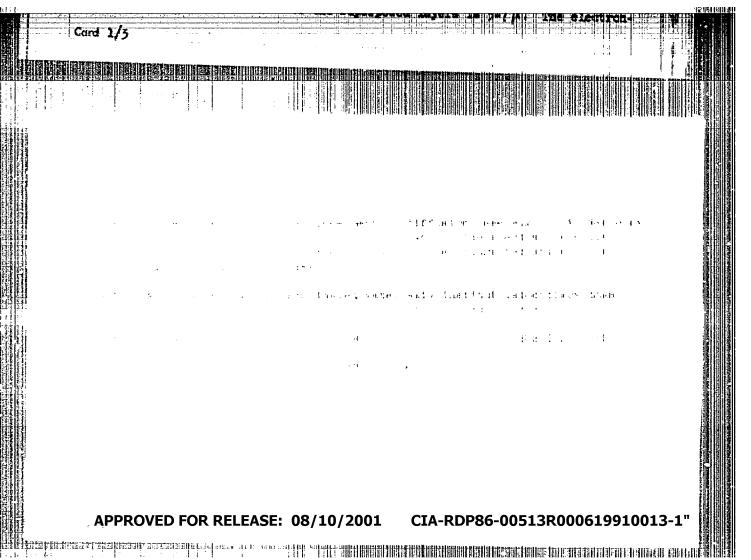


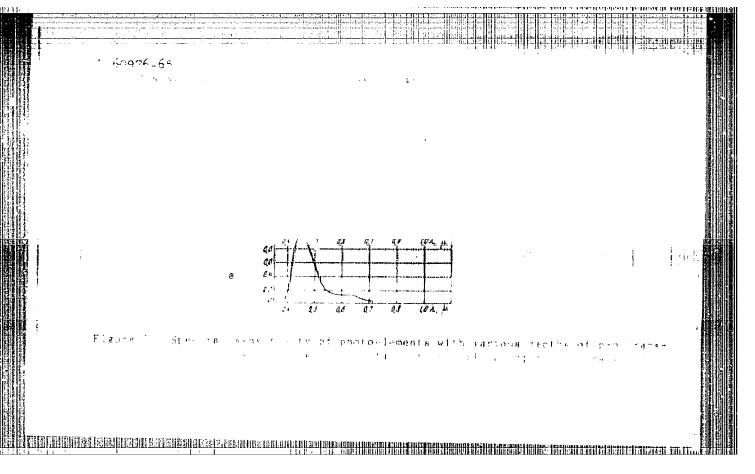
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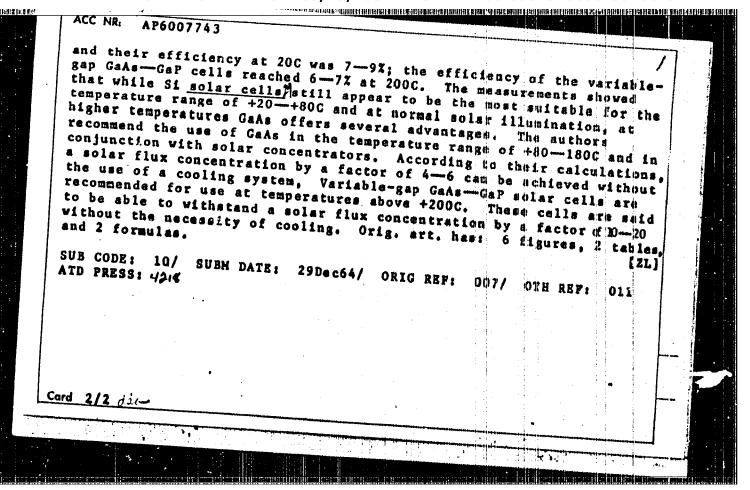




L 6337-66 EWT(m)/T/EWP(t)/EWP(b)/EWA(c) IJP(c) JD/JG ACCESSION NR: AP5019882 UR/01/811/65/007/008/293/8 AUTHOR: Gutkin, A. A.; Kagan, M. B.; Sedov, V. Ye.; Chernov, Ya. I. TITIE: Effect of orientation of GaAs crystals on the depth and photoelectric pr perties of diffusion pn junctions SOURCE: Fizika tverdogo tela, v. 7, no. 8, 1965, 2538-2539 TOPIC TAGS: gallium arsenide; pn junction, zinc, photoelectric dell, spectral distribution, photosensitivity ABSTRACT: In view of some contradiction in earlier results (M. T. Minamoto and H. T. Malafi, J. Appl. Phys. v. 34, 1876, 1963) the authors have investigated the influence of orientation on the rate of diffusion of zinc by producing deep pen junctions in plates having the same orientations as used in the preparation of photocells. The spectral distributions of the photosensitivity at photon energies 1.3--3 ev, of diffusion GaAs photocells which the authors produced under identical conditions, turned out to be practically the same, in spite of the fact that earlier results indicated that the position and form of the p-n junction should depend on the concentration and distribution of the dislocation. The initial material was single-crystal GaAs of n-type with electron density (2--5) x 1017 cm-3 and mobility 3500--4000 cm2v-1sec-1 grown horizontally by the Bridgman method. Card 1/2

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357	APOU07743 SOURCE CODE: UR/0293/66/00/001/0128/0136 ORG: none
-	ORG: none Chernov, Ya. I.
	TITLE: Analysis of spectral and thermal characteristics of photo- B application
	TOPIC TAGS: solar cell, photoelectric cell, gallium argument.
i i	of Si in order to determine the most advantageous fields of application of the respective materials as photovoltaic squrces of space samples used in the experiments were described in darlies papers (Gutkin, A. A., D. N. Nasledov, V. Ye. Sedov, and H. V. Tsarenkov, Indiana, I. Sedov, and H. V. Tsarenkov, I. Segon, M. B., A. P. Landsman, Ispol sovaniye and N. B., A. P. Landsman, and Ya. I. Chernov, FTT, 6, 9, 1965, p. 51; and 1/2
	UDC: 621.383.5



[EES][ASS]

L 08129-67 EWT(m)/EWP(t)/ETI IJP(c) JD ACC NR: AP6033579 SOURCE CODE: UR/0181/66/008/010/3097/3099 AUTHOR: Gutkin, A. A.; Kagan, M. B.; Magerramov, E. M.; Chernov, Ya. I.; Gutkin, A. A. Kagan, M. B.; Magerramov, E. M.; Chernov, Ya. I. ORG: Physicotechnical Institute im. A. F. Ioffe, AN SSSR, Leningrad (Fizikotekhnicheskiy institut AN SSSR); All-Union Scientific-Reseach Institute of Current 60 Sources, Moscov (Vsesoyuznyy nauchno-issledovatel'skiy institut istochnikov toka) В TITLE: Spectral characteristics of GaP-GaAs photocells in the photon energy region SOURCE: Fizika tverdogo tela, v. 8, no. 10, 1966, 3097-3099 TOPIC TAGS: gallium arsenide, gallium phosphide, gallium optic material, pn junction, photoelectric cell, photosensitivity ABSTRACT: This is a continuation of earlier work (Kosmicheskiye issledovaniya, IV, 128, 1966 and preceding papers) where the possibilities of GaP-GaAs p-n junctions were first revealed and studied. The present paper describes investigations of the photosensitivity of junctions prepared by diffusion of zinc in a GaAs plate in which a region of variable composition GaP As (1-x) was produced beforehand by heating in phosphorus vapor. The preparation procedure and some properties of such a Junction vere described earlier. The illuminated surface was subjected to various degrees of Card 1/2

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ACC NR. AP6033579

etching. The tests consisted of plotting the photocurrent spectra and the spectrum of the diffuse reflection from the surface. X-ray analysis of the junction structure, and the presence of a peak near 3.6 ev, reveal that the surface layer of the photocell contains not less than 90% of GaP and consequently its photosensitivity spectrum is governed by the band structure of GaP. Comparison of the reflection and photosensitivity spectra shows that the photocurrent per incident absorbed photon is constant (at hw 22.5-4.6 ev) and then drops off slightly towards 5.4 ev. This is also confirms the GaP-type band structure, which precludes any possible increase of the quantum yield for photons with energy lower than ~ 5.2 ev, when the internal photoeffect and impact ionization come into play. The fact that the quantum yield remains constant over a wide range of photon energies extending over different parts of the Brilluoin zone shows that the minority nonequilibrium carriers (electrons) excited by the photons in different parts of the conduction band have time to go over to the equilibrium state at room temperature within a time shorter than the carrier lifetime (< 10-9 sec). Consequently the drop in photosensitivity in the 2.6-3.5 ev region, which decreases strongly when the cell surface is etched, may be due to an increased role of surface recombination with increasing absorption coefficient, and not to a decrease in lifetime. The authors thank A. S. Toporets, A. V. Sheklein, and N. B. Rekant for measuring the diffuse-reflection spectra. Orig. art. has: 1 figure.

SUB CODE: 20/ SUBM DATE: 13Apr66/ ORIG REF: 007/ OTH REF:

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L 08129-67 EWT(m)/EWP(t)/ETI IJP(o) ACC NR: AP6033579 SOURCE CODE: UR/0181/66/008/010/3097/3099 AUTHOR: Gutkin, A. A.; Kagan, M. B.; Magerramov, E. M.; Chernov, Ya. I.; Gutkin, A. A. Kagan, M. B.; Magerramov, E. M.; Chernov, Ya. I. 60 ORG: Physicotechnical Institute im. A. F. Ioffe, AN 688R, Leningrad (Fiziko-B tekhnicheskiy institut AM SSSR); All-Union Scientific-Researh Institute of Current Sources, Moscow (Vsesoyuznyy nauchno-issledovatel'skiy institut istochnikov toka) TITLE: Spectral characteristics of GaP-GaAs photocells in the photon energy region up to 5.4 ev SOURCE: Fisika tverdogo tela, v. 8, no. 10, 1966, 3097-3099 TOPIC TAGS: gallium arsenide, gallium phosphide, gallium optic material, pa junction, photoelectric cell, photosensitivity ABSTRACT: This is a continuation of earlier work (Kosmicheskiye issledovaniya, IV, 128, 1966 and preceding papers) where the possibilities of GaP---GaAs p-n junctions were first revealed and studied. The present paper describes investigations of the photosensitivity of junctions prepared by diffusion of sinc in a GaAs plate in which a region of variable composition GaP $As_{(1-x)}$ was produced beforehand by heating in phosphorus vapor. The preparation procedure and some properties of such a junction were described earlier. The illuminated surface was subjected to various degrees of

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ACC NR. AP6033579

atching. The tests consisted of plotting the photocurrent spectra and the spectrum of the diffuse reflection from the surface. X-ray analysis of the junction structure, and the presence of a peak near 3.6 ev, reveal that the surface layer of the photocell contains not less than 90% of GaP and consequently its photosensitivity spectrum is governed by the band structure of GaP. Comparison of the reflection and photosensitivity spectra shows that the photocurrent per incident absorbed photon is constant (at he 22.5-4.6 ev) and then drops off slightly towards 5.4 ev. This is also confirms the GaP-type band structure, which precludes any possible increase of the quantum yield for photons with energy lower than ~ 5.2 ev, when the internal photoeffect and impact ionization come into play. The fact that the quantum yield remains constant over a wide range of photon energies extending over different parts of the Brilluoin zone shows that the minority nonequilibrium carriers (electrons) excited by the photons in different parts of the conduction band have time to go over to the equilibrium state at room temperature within a time shorter than the carrier lifetime (4 10-9 sec). Consequently the drop in photosensitivity in the 2.6-3.5 ev region, which decreases strongly when the cell surface is stched, may be due to an increased role of surface recombination with increasing absorption coefficient, and not to a decrease in lifetime. The authors thank A. S. Toporets, A. V. Sheklein, and M. B. Rekant for measuring the diffuse-reflection spectra. Orig. art. has: 1 figure.

SUB CODE: 20/ SUBM DATE: 13Apr66/ ORIG REF: 007/ OTH REF: 005/ ... TEP-CF: ATD PRESS: 5102

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ACC NR. AP7002713

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SOURCE CODE: UR/0115/66/000/012/0081/0082

AUTHOR: Berman, L. S.; Gliberman, A. Ya.; Kagan, M. B.; Landsman, A. P.

ORG: none

TITLE: Light-sensitive devices of silicon and gallium arsenide, based on barrier

SOURCE: Izmeritel'naya tekhnika, no. 12, 1966, 81-82

TOPIC TAGS: photovaricaps, photoelectric cell, silicon semiconductor, semiconductor device, gallium arsenide, arsenide, silicon compound, photosensitivity

ABSTRACT:

Semiconducting light-sensitive devices ("photovaricaps") based on barrier layer cells made of silicon and gallium arsenide single crystals and having low series resistance were developed and tested. The size of the photovaricaps ranged from 2 x 2 mm to 10 x 10 mm. The capacity for a unit of area for silicon photovaricaps without external voltage C(0) was approximately 0.027 to 0.030 $\mu F/cm^2$, and for gallium arsenide photovaricaps 0.38 to 0.050 $\mu F/cm^2$. The photovaricaps can operate in a range of sonic and ultrasonic frequencies. The most important parameter of the photovaricaps is the photosensitivity coefficient characterizing the relative change of capacitance per unit of luminous flux . The capacitance temperature coefficient for

Card 1/2

UDC: 621.383

ACC NR: AP7003153 SOURCE CODE: UR/0368/66/005/006/0770/0773

AUTHOR: Kagan, M. B.; Koltun, M. M.; Landsman, A. P.

ORG: none

TITLE: Reflection coefficient of highly-doped GaAs in the spectral range from 0.2 to 25 μ

SOURCE: Zhurnal prikladnoy spektroskopii, v. 5, no. 6, 1966, 770-773

TOPIC TAGS: solid state laser, semiconductor laser, gallium arsenide, tasur maturitation coefficient, optic spectrum

ABSTRACT: Measurements of the regular-reflection coefficient are given for single-crystal p-type GaAs samples with Zn doping (for carrier concentration from 1.7 to $15 \cdot 10^{19} \text{ cm}^{-3}$), and n-type samples (for a carrier concentration of $3 \cdot 10^{15} \text{ cm}^{-3}$). An SF-4 spectrophotometer is used from 0.2 to 0.75 μ and an IKS-14 spectrophotometer from 0.75 to 25 μ . Several samples were chemically polished and their surface irregularities did not exceed 0.3 μ , while one sample had irregularities of about 1 μ and exhibited a lower reflection coefficient in the ultraviolet and optical region of the spectrum. In the optical region the carrier concentration has little influence on reflection properties. In the infrared, the reflective power increases considerably with free carrier concentration, while at the same time the minimum occurring at wavelengths where the index of refraction approaches unity is shifted

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toward shorter lengths, approximately from 12 to 4 μ . The reflection coefficient can be brought down from 32 to 0.5—1.0% in any given part of the optical spectrum by SiO coatings of suitable thickness (0.21 μ), while MgP, and SiO₂ coatings (0.21 μ) are not as effective. Two methods of sharply reducing the reflection from highly-doped single crystals in the 3—25 μ region are discussed. One of these involves coating the surface with irregularities 10—30 μ thick and treating the same chemically; the other — coating the surface with a layer of organic silicon varnish 10—40 μ thick, highly absorbing in the infrared but transparent in the 0.4—1.0 μ regions. In the infrared region, use of silicon-based coatings can increase the thermal radiative power of GaAs surface (at 25°C) from 0.49—0.51 to 0.8—0.92. These coatings do not damage the surface, and good diffused junctions are still possible. One can expect that the use of the above procedures will considerably improve the performance of lasers and solar cells. Orig. art. has:

SUB CODE: 20/ SUBM DATE: 22Dec65/ ORIG REF: 001/ OTH REF: 002

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KAGAN, k.D., kand. eken. n.d., office., the red.

[Development of electric power empireering in the countries of the socialist camp; a survey! Razvitie elektoenergetiki stran sotsialisticheskogo lagena. obzor. Mockvu, Vses. in-t po proektirovanilu organizats i energeticheskogo stroitel!—stva, 1962. 83 p.

(MIRA 17:7)

(MIRA 14:1)

PALATNIK, L.S.; VINOGOROV, G.R.; KAGAN, M.G.

Study of multicomponent heterogeneous systems by the phase mass method. Part 2. Zhur. fiz. khim. 34 no. 11:2396-2404

1. Khar'kovskiy gosudarstvennyy universitet. (Systems (Chemistry))

N 160.

KAGAN, M. I.

Kagan, M. I. "Cases of double innate luxation of the small head of the radius," Zdravookhraneniye, Sov. Latvii, 1948, Symposium 2, p. 112,-17

Sov. U-3850, 16 June 53, (Letopis 'Zhurnal 'nykh Statey, No. 5, 1949)

KAGAN, M.[1]

USSR/Medicine - Pediatrics

Medicine - Lipcid Granulomatosis of the Bons

Nov/Dec 48

"Problem of Xanthomatosis Generlista Ossium," L. M. Linder, M. Kagan, Pathoanat and Surg Dept, Hosp imeni Raukhfus, Leningrad, 4 pp

"Vop Ped i Ckhran Mater i Det" No 6

Desribes two cases of Schuller-Christian's discuse in male children, with three photographs.

PA 43/49T75

KAGAN, M.I.

Comparative evaluation of therapeutic methods in burns in children.
Vest.khir.Grekova 70 no.6:12-27 1950. (CIME 20:5)

1. Of the Department of Children's Surgery of Leningrad State Pediatric Medical Institute (Head of Department--A.V.Shatskiy) and of the Surgical Division of Children's Hospital imeni Raukhfus (Head Physician--E.M.Abkin). 2. Author deceased.

BOGOYAVLENSKAYA, L.B.; VIL'SHANSKAYA, P.L.; MATVEYHVA, V.H.; SAKHAROVA, P.K.; KUZNETSOVA, Ye.V.; KAGAN, M.I.

Etiological structure of intestinal diseases of infants; author's abstract. Zhur.mikrobiol.,epid.i immun. 30 no.11:113 N '59.

(MIRA 13:3)

1. Iz Moskovskoy gorodskoy sanitarno-epidemiologicheskoy stantsi1.
(INFANTS--DISEASES) (INTESTINES--DISEASES)

KAGAN, M.I.; YERBMIH, A.I.

Drying aspirin on drum-dryers. Hed.prom. no.4;13-16 O-D *55.

(MLRA 9:12)

1. Hoskovskiy salitsiloryy zavod

(ACETYISALICYLIC ACID, preparation of drying on drum-dryers)

KAGAN, Moisoy Iozifovich

[Typhoid fever] Briushnoi tif. Moskva, Medgiz, 1960, 18 p.
(MIRA 13:12)

(TYPHOID PEVER)

ATHREASTACH GURE ACCOUNTS DE LEICH SCHOOL COM CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE LE CONTRACTOR DE CONTRACTO

KAGAN, M.I.; KUZNETSOVA, Ye.V.; VIL'SHANSKAYA, F.L.; BOGOYAVLENSKAYA, L.B.;
MATVEYEVA, V.N.; SAKHAROVA, P.K.

Epidemiological observations on patients with colienteritis. Zhur. mikrobiol. epid. i immun. 32 no.10:78-80 0 161. (MIRA 14:10)

1. Iz Gorodskoy sanitarno-epidemiologicheskoy stantsii i sanitarnoepidemiologicheskoy stantsii Dzerzhinskogo rajona Moskvy. (ESCHERICHIA COLI) (INTESTIMES---DISEASES)

BABICHEMKO, S.I.; BOGDANOV, A.A.; GORN, L.S.; KAGAN, H.J.; KRYLOV,
L.N.; OL'DEKOP, L.G.; KHAZANOV, B.I.; MELESHKO, V.K., red.;
DRUZHININA, L.V., tekhn. red.; POPOVA, S.M., tekhn. red.

[Radiometric process instrumentation] Kontrol'no-izmeritel'naia radiometricheskaia apparatura. [By] S.I.Babichenko i dr.
Moskva, Gosatomizdat, 1963. 148 p. (MIRA 16:12)

(Radiometry)

ACC NR: AP6020734	SOURCE CODD: UR/C421/66/000/003/0129/013
AUTHOR: Bunimovich, A. I. (Mosco	w); Kagan, M. L. (Moscow)
ORG: none	
TITIE: Free-molecular flow of ga	
SOURCE: AN SSSR. Izvestiya. Me	ekhanika zhidkosti i gaza, no. 3, 1966, 129-131
TOPIC TAGS: gas flow, rarefied g	gasdynamics, free molecular flow on is assumed to be made up of thin ideally-heat-
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KYBCHINSKAYA, K.M. [Rybchyns'ka, K.M.], kand. meo. nauk; KAJAK, M.k. [Kahan, M.R.]

Effect of combined mud therapy on the activity and properties of catalase in gynecological patients. Ped. akush. i gin. 24 no.6:50-52 '62. (MIid 17:4'

1. Biokhimicheskaya laboratoriya Ukrainskogo instituta kurortologii i fizioterapii (direktor - dotsent F. Ye. Kurkudim [Kurkudym, F.IE.]) i Lermontovskiy sanatoriy.